AMENDMENTS TO THE CLAIMS:

The following is a current listing of claims as pending in the present application. No amendments are being submitted with this reply.

LISTING OF CLAIMS:

Claims 1-46 (Cancelled)

Claim 47 (Previously Presented) A process for obtaining a protein heterologous to yeast as a product of yeast expression, which process comprises:

(a) transforming a yeast organism with an expression vehicle comprising a promoter sequence for yeast alpha factor operably connected to a DNA sequence encoding a pre-pro peptide of yeast alpha factor operably connected in translation reading frame to a DNA sequence encoding a protein heterologous to the yeast organism;

(b) culturing the transformed organism; and

(c) recovering the protein from the culture,

wherein the heterologous protein is selected from the group consisting of interferon, serum albumin, tissue plasminogen activator, rennin and insulin-like growth factor.

Claim 48 (Cancelled)

Claim 49 (Previously Presented) A process for obtaining a protein heterologous to yeast as a product of yeast expression, processing and secretion, which process comprises:

(a) transforming a yeast organism with an expression vehicle comprising a promoter sequence for yeast alpha factor operably connected to a DNA sequence encoding a pre-pro peptide of yeast alpha factor operably connected in translation reading frame to a DNA sequence encoding a protein heterologous to the yeast organism;

(b) culturing the transformed organism; and

(c) recovering the protein from the culture,

wherein the heterologous protein is selected from the group consisting of interferon, serum albumin, tissue plasminogen activator, rennin and insulin-like growth factor.

Claim 50 (Previously presented) A process for secreting a protein heterologous to yeast into the supporting medium, which process comprises:

(a) transforming a yeast organism with an expression vehicle comprising a promoter sequence for yeast alpha factor operably connected to a DNA sequence encoding a pre-pro peptide of yeast alpha factor operably connected in translation reading frame to a DNA sequence encoding a protein heterologous to the yeast organism;

(b) culturing the transformed organism; and

(c) recovering the protein from the culture,

wherein the heterologous protein is selected from the group consisting of interferon, serum albumin, tissue plasminogen activator, rennin and insulin-like growth factor.

Claims 51-57 (Cancelled)

Claim 58 (Previously Presented) A yeast organism transformed by the expression vehicle of Claim 65.

Claims 59-60 (Cancelled)

Claim 61 (Withdrawn) The protein produced by the process of Claim 47.

Claim 62 (Cancelled) The protein produced by the process of Claim 48.

Claim 63 (Withdrawn) The protein produced by the process of Claim 49.

Claim 64 (Withdrawn) The protein produced by the process of Claim 50.

Claim 65. (Previously Presented) A yeast expression vehicle comprising a promoter sequence for yeast alpha factor operably connected to a DNA sequence encoding a pre-pro peptide of yeast alpha factor operably connected in translation reading frame to a DNA sequence encoding a protein heterologous to the yeast organism.

Claim 66. (New) The process of claim 47, wherein the heterologous protein is human interferon.

Claim 67. (New) The process of claim 47, wherein the heterologous protein is bovine interferon.